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comp.
(c) bonding the wafer cap to the first side of the MEMS wafer to produce a laminated MEMS wafer, the wafer cap being recessed in areas corresponding to locations of the MEMS structure sites on the MEMS wafer;

(d) mounting, upon the second side of the MEMS wafer, a layer of dicing tape; and

(e) dicing the second side of the laminated MEMS wafer into a plurality of MEMS dies.

REMARKS

Claims 1-156 are pending in the present application.

The Examiner has alleged that the presently pending claims are directed to three separate groups of inventions. More specifically, the Examiner alleges that: Group I is drawn to a method for protecting a MEMS structure during a dicing of a MEMS wafer to produce individual MEMS dies; Group II is drawn to a method for protecting a MEMS structure during a production of individual MEMS dies; and Group III is drawn to a laminated MEMS wafer. In view of these allegations, the Examiner has subjected claims 1-156 to a three-way restriction requirement. This restriction requirement by the Examiner is respectfully traversed.

To facilitate prosecution, the Applicants elect, with traverse, claims 1-68, 99-111, 115-123, and 128-141 as being drawn to Group I, a method for protecting a MEMS structure during a dicing of a MEMS wafer to produce individual MEMS dies.

In formulating the restriction requirement, the Examiner alleges that the combination claims of Group II do not require the particulars of the subcombination claims for patentability and that the subcombination claims has separate utility. More specifically, the Examiner alleges that the subcombination claims do not require packaging of separate dies. This position by the examiner is unfounded.

An examination of independent claim 35, which the Examiner alleges has a combination relationship to independent claim 1, fails to reveals any language requiring the packaging of separate dies. Therefore, under the Examiner's reasoning, these claims fail to a combination/subcombination relationship. Moreover, independent claim 35 has been amended to recite a method for protecting a MEMS structure during a dicing of a MEMS wafer to

produce individual MEMS dies, and thus, as now amended, claims 1 and 35 fail to have a combination/subcombination relationship. Therefore, the Examiner has failed to provide a prima facie case that the claims of Group I and Group II have a combination/subcombination relationship.

Accordingly, as set forth above, in view of the Examiner's failure to properly formulate a restriction requirement and to expedite the prosecution of the present application, the Applicants elect, with traverse, claims 1-68, 99-111, 115-123, and 128-141 as being drawn to Group I, a method for protecting a MEMS structure during a dicing of a MEMS wafer to produce individual MEMS dies.

The Examiner has further subjected the claims to an election of species requirement wherein the Examiner alleges that the claims set forth six distinct letter groups of species wherein each species has a delineated set of numbered subspecies. For example, the Examiner alleges that the claims set forth a species Group A directed to a cap material wherein the delineated numbered subspecies are glass or silicon; ceramic; metal; or polymer. It is apparent from the Examiner's proposal that the examiner has merely taken the subject matter of each dependent claim and declared that the subject matter is classified as a separate species. The Examiner fails to provide any rationale for dividing all the claims up into alleged species groups and subspecies delineation.

However, to further the prosecution of the present application, the Applicants elect, with traverse, the species as defined by A1, B1, C1, D2, E1, and F2. It is respectfully submitted that claims 1-8, 12, 14-19, 22, 23, 25, 27-30, 34-45, 50-53, 56, 57, 59, 61-64, 68, 99, 102-111, 115-123, and 128-141 read upon the species, elected with traverse, as defined by A1, B1, C1, D2, E1, and F2 with: claims 1, 35, and 115 being generic to all species; claims 7, 43, and 44 being generic to the Group B species; and claims 22 and 56 being generic to Group E species.


In view of the above discussion, the Applicants, elect, with traverse, claims 1-8, 12, 14-19, 22, 23, 25, 27-30, 34-45, 50-53, 56, 57, 59, 61-64, 68, 99, 102-111, 115-123, and 128-141, which read upon the species as defined by A1, B1, C1, D2, E1, and F2.

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Accordingly, in view of all the reasons set forth above, the Examiner is respectfully requested to reconsider and withdraw this restriction requirement and the election of species requirement. Also, an early indication of allowability is earnestly solicited.

Attached to this Response is a marked-up copy of the above-presented amended claim.

Respectfully submitted,



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MEC/MJN/mjn
Attachments



ATTACHMENT A
Marked-up Copy of Amended Claims

35. (Amended) A method for protecting a MEMS structure during a dicing of a MEMS
5 wafer to produce individual MEMS dies [method for protecting a MEMS structure during a
production of individual MEMS dies], comprising the steps of:

(a) fabricating a MEMS wafer having a plurality of MEMS structure sites on a first side
and a plurality of through holes on a second side;

(b) fabricating a wafer cap;

10 (c) bonding the wafer cap to the first side of the MEMS wafer to produce a laminated
MEMS wafer, the wafer cap being recessed in areas corresponding to locations of the MEMS
structure sites on the MEMS wafer;

(d) mounting, upon the second side of the MEMS wafer, a layer of dicing tape; and

(e) dicing the second side of the laminated MEMS wafer into a plurality of MEMS dies.

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